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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/808,270	03/24/2004	Ying H. So	43004A	3417
109 7590 05/08/2008 The Dow Chemical Company Intellectual Property Section P.O. Box 1967 Midland, MI 48641-1967			EXAMINER HAMILTON, CYNTHIA	
			ART UNIT 1795	PAPER NUMBER
			MAIL DATE 05/08/2008	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.



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APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
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10/808,270 03/24/2004 SO

EXAMINER

Cynthia Hamilton

ART UNIT	PAPER
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1752 20070813

DATE MAILED:

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner for Patents

SEE ATTACHMENT.

CYNTHIA HAMILTON
PRIMARY EXAMINER

8/12/07

Cynthia Hamilton
Primary Examiner
Art Unit: 1752

ATTACHMENT

The amendment filed July 25, 2007 proposes amendments to the specification that do not comply with 37 CFR 1.173(b), which sets forth the manner of making amendments in reissue applications. A supplemental paper correctly amending the reissue application is required. Brackets are required for deleted material from the original. The amendment must be to the patent paragraph. Applicants have not underlined the added portions of the paragraph submitted. See particularly MPEP 1453 and the Office action mailed June 28, 2007. The *original patent paragraph* being amended is as follows:

Thus, according to a first embodiment, the invention is a curable cyclobutarene based polymer comprising acid functional pendant groups. "Curable polymer" as used herein includes polymers that can be further cured or crosslinked as well as oligomers that can be further reacted to form higher molecular weight polymeric materials. Preferably, the acid functional groups are present at equivalent weights of about 200 to about 330 g/mole of acid functionality, more preferably about 220 to about 300 g/mole of acid functionality, and most preferably about 230 to about 270 g/mole of acid functionality. For the preferred monomer (a) 1,3-bis(2-bicyclo[4.2.0]octa 1,3,5-trien-3-yl ethenyl)-1,1,3,3 tetramethylsiloxane (referred to herein as DVS-bisBCB) and BCB-acrylic acid as made in Example 1, an equivalent weight of less than about 290 g/mole of acid functionality provides solubility in alkaline aqueous solutions. If the amount of acid groups is too low, the material will be insufficiently soluble in aqueous base. If the amount of acid groups becomes too high, water retention by the polymer may become a problem in certain uses or applications of the material.

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Applicants' amendment is as follows:

At column 2, the previously amended paragraph at line 15- line 36 should be replaced by the following:

Thus, according to a first embodiment, the invention is a curable cyclobutarene based polymer comprising acid functional pendant groups. "Curable polymer" as used herein includes polymers that can be further cured or crosslinked as well as oligomers that can be further reacted to form higher molecular weight polymeric materials. Preferably, the acid functional groups are present at equivalent weights of about 200 to about 564, more preferably about 200 to about 434, more preferably still about 200 to about 330 g/mole of acid functionality, more preferably about 220 to about 300 g/mole of acid functionality, and most preferably about 230 to about 270 g/mole of acid functionality. [For the preferred monomer (a) 1,3-bis(2-bicyclo{4.2.0}octa-1,3,5-trien-3-yl ethenyl)-1,1,3,3 tetramethylsiloxane (referred to herein as DVS-bisBCB) and BCB-acrylic acid as made in Example 1, an equivalent weight of less than about 440 g/mole of acid functionality provides solubility in alkaline aqueous solutions.] If the amount of acid groups is too low, the material will be insufficiently soluble in aqueous base. If the amount of acid groups becomes too high, water retention by the polymer may become a problem in certain uses or applications of the material.

What is missing is underlining of added material. The examiner sets forth below what she believes to be a proper amendment of the paragraph:

At column 2, the previously amended paragraph at line 15- line 36 should be replaced by the following:

Thus, according to a first embodiment, the invention is a curable cyclobutarene based polymer comprising acid functional pendant groups. "Curable polymer" as used herein includes polymers that can be further cured or crosslinked as well as oligomers that can be further reacted to form higher molecular weight polymeric materials.

Preferably, the acid functional groups are present at equivalent weights of about 200 to about 564, more preferably about 200 to about 434, more preferably still about 200

to about 330 g/mole of acid functionality, more preferably about 220 to about 300 g/mole of acid functionality, and most preferably about 230 to about 270 g/mole of acid functionality. [For the preferred monomer (a) 1,3-bis(2-bicyclo{4.2.0}octa

1,3,5-trien-3-yl ethenyl)-1,1,3,3 tetramethylsiloxane (referred to herein as DVS-bisBCB) and BCB-acrylic acid as made in Example 1, an equivalent weight of less than about 440 g/mole of acid functionality provides solubility in alkaline aqueous

solutions.] If the amount of acid groups is too low, the material will be insufficiently soluble in aqueous base. If the amount of acid groups becomes too high, water retention by the polymer may become a problem in certain uses or applications of the material.

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This follows the example of amendment set forth in the MPEP as given below:

A. *Original Patent Description or Patent Claim Amended*

Example (1)

If it is desired to change the specification at column 4 line 23, to replace "is" with --are--, submit a copy of the entire paragraph of specification of the patent being amended with underlining and bracketing, and point out where the paragraph is located. e.g.,

Replace the paragraph beginning at column 4, line 23 with the following:

Scanning [is] are controlled by clocks which are, in turn, controlled from the display tube line synchronization. The signals resulting from scanning the scope of the character are delivered in parallel, then converted into serial mode through a shift register wherein the shift signal frequency is controlled by a clock that is, in turn, controlled from the display tube line synchronization.

A shortened statutory period for reply to this letter is set to expire ONE (1) MONTH or THIRTY (30) DAYS, whichever is longer, from the mailing date of this letter.

Applicant is notified that any subsequent amendment to the specification and/or claims must comply with 37 CFR 1.173(b). In addition, when any substantive amendment is filed in the reissue application, which amendment otherwise places the reissue application in condition for allowance, a supplemental oath/declaration will be required. See MPEP § 1414.01.


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cynthia Hamilton whose telephone number is 571-272-1331.

The examiner can normally be reached on Monday through Friday 9:30 am to 5:00 pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cynthia H. Kelly can be reached on (571) 272-0729. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



CYNTHIA HAMILTON
PRIMARY EXAMINER

Cynthia Hamilton
Primary Examiner
Art Unit 1752

August 13, 2007